Serial No. 10/031,218 Art Unit: 3773

Examiner: Darwin P. Erezo

IN THE CLAIMS:

- (Currently Amended) A surgical clip, comprising an elongate upper jaw and an elongate lower jaw attached together at a hinge, the lower jaw being provided with latching means at an opposite end to the hinge, the jaws being provided with a silicone rubber lining on either the upper or lower jaw or both jaws, in which the upper jaw comprises an arcuate shaped section characterised in that the upper jaw comprises a complex shape comprising a first straight section adjacent to the hinge and a second an arcuate shaped section contiguously adjoining the straight section and in which the second arcuate shaped section comprises a first arcuate shaped portion adjacent to said straight section and a second arcuate shaped portion adjacent to said first arcuate shaped portion at an opposite end of said first arcuate shaped portion to said straight section, said first and second arcuate shaped portions each having inner and outer surfaces, said elongated upper and lower jaws having respective facing surfaces, said first arcuate shaped portion being contiguous with said second arcuate shaped portion, said first arcuate shaped portion having a first radius of curvature in its facing surface on at least its inner surface that is substantially greater than the radius of curvature of said second arcuate shaped portion on at least its inner surface and which has a second radius of curvature in its facing surface; wherein the first and second arcuate shaped portions are both defined in the facing surface of the upper jaw; and wherein the first radius of curvature and the second radius of curvature are both defined by respective centers of curvature located below the upper jaw and wherein a center of the radius of curvature for both the first and second arcuate shaped portions is located on the same side of the upper jaw.
- (Currently Amended)) A surgical clip as claimed in Claim 1, in which the arcuate section
 comprises a third generally including a second straight section adjacent to said second arcuate
 shaped portion at the opposite end of said second arcuate shaped portion to the hinge, said

01/25/2010 11:00 IFAX @003/013

Serial No. 10/031,218

Art Unit: 3773

Examiner: Darwin P. Erezo

generally second straight section, when in the closed position of the clip, interlocking under the

latching section means of the lower jaw.

3. (Original) A surgical clip as claimed in Claim 2 in which said first radius of curvature is

of the order of three times that of the second radius of curvature.

4. (Previously Presented) A surgical clip as claimed in claim 1 further including a distal

generally straight section adjacent to said second arcuate shaped portion at the opposite end of said second arcuate shaped portion to the hinge, said distal generally straight section including a

free end that extends in a direction distally of said hinge.

5. (Previously Presented) A surgical clip as claimed in claim 1 wherein said first arcuate

shaped portion has the same width therealong and as measured in the direction of the first radius

of curvature.

6. (Currently Amended) A surgical clip as claimed in claim 1 wherein said second arcuate

shaped section portion has the same width therealong and as measured in the direction of the

second radius of curvature.

(Previously Presented) A surgical clip as claimed in claim 1 further having on said upper

jaw a distal generally straight section contiguous with said second arcuate shaped portion.

8. (Previously Presented) A surgical clip as claimed in claim 7 wherein the distal generally

straight section includes a free end.

3

01/25/2010 11:00 IFAX @004/013

Serial No. 10/031,218 Art Unit: 3773

Examiner: Darwin P. Erezo

9. (Previously Presented) A surgical clip as claimed in claim 8 wherein, when the upper jaw is distorted it fits within the latch means because an initial closure pressure is imposed on the straight section and thus the initial pressure fails to distort the arcuate shaped section until the free end has been depressed toward the lower jaw.

- 10. (Currently Amended) A surgical clip as claimed in claim 1 wherein the jaws are provided with a silicone rubber lining on either the upper or lower jaw or both jaws, and in combination with a clip closure member and wherein an initial closure pressure is imposed by the closure member only on the straight section.
- 11. (Currently Amended) A surgical clip as claimed in claim 1 wherein the first arcuate shaped portion is contiguous with the second arcuate shaped portion and wherein the center of the radius of curvature for both the first and second arcuate shaped portions is located on the opposite side to the outer contact surface wherein the total length of the first and second arcuate shaped portions is greater than the length of the straight section.
- 12. (Previously Presented) A surgical clip as claimed in claim 1 wherein there is an absence of any straight portion between said first and second arcuate shaped portions.
- 13. (Previously Presented) A surgical clip as claimed in claim 1 wherein the upper and lower jaws are connected at a hinge pin.
- 14. (Previously Presented) A surgical clip as claimed in claim 1 including a tubular storage member and wherein the surgical clip is constructed and arranged for passage through the tubular member to a captive opening.

01/25/2010 11:00 IFAX @005/013

Serial No. 10/031,218

Art Unit: 3773

Examiner: Darwin P. Erezo

15. (Previously Presented) A surgical clip as claimed in claim 14 wherein the tubular member has a dimension H that is less than the dimension of the captive opening W.

16. (Previously Presented) A surgical clip as claimed in claim 1 wherein the first arcuate shaped portion is contiguous with the second arcuate shaped portion forming a complex contiguous curved shape.

- 17. (Currently Amended) A surgical clip as claimed in claim 1 wherein said second arcuate shaped section portion has an arcuate surface on both the an outer contact surface thereof and an inner surface thereof.
- 18. (Currently Amended) A surgical clip, comprising an elongate upper jaw and an elongate lower jaw attached together at a hinge, the lower jaw being provided with latching means at an opposite end to the hinge, in which the upper jaw comprises an arcuate shaped section characterised in that the upper jaw comprises a complex shape comprising a first straight section adjacent to the hinge and a second an arcuate shaped section adjoining the straight section and in which the second arcuate shaped section comprises a first arcuate shaped portion adjacent to said straight section and a second arcuate shaped portion adjacent to said first arcuate shaped portion at an opposite end of said first arcuate shaped portion to said straight section, said first and second arcuate shaped portions each having inner and outer surfaces, said first arcuate shaped portion being contiguous with said second arcuate shaped portion and said first arcuate shaped portion having a radius of curvature on at least its inner surface that is different than the radius of curvature of said second arcuate shaped portion on at least its inner surface and which has a second radius of curvature; and wherein the first radius of curvature and the second radius of curvature are both defined by respective centers of curvature located below the upper jaw so that

01/25/2010 11:01 IFAX @006/013

Serial No. 10/031,218 Art Unit: 3773

Examiner: Darwin P. Erezo

both of the radii of curvature are in the same direction; and wherein the cumulative length of the first and second arcuate shaped portions is greater than the length of the straight section.

- 19. (Previously Presented) A surgical clip as claimed in claim 18 wherein the first arcuate shaped portion has its radius of curvature greater than the radius of curvature of the second arcuate shaped portion.
- 20. (Currently Amended) A surgical clip as claimed in claim 19 wherein there is an absence of any straight portion between aid said first and second arcuate shaped portions and wherein said second arcuate shaped section has an arcuate surface on both the outer contact side thereof and the inner side thereof
- 21. (Previously Presented) A surgical clip as claimed in claim 18 wherein at least one of said upper and lower jaws is provided with a silicone rubber lining.
- (Previously Presented) A surgical clip as claimed in claim 21 wherein both of said jaws are provided with a silicone rubber lining.
- 23. (Currently Amended) A surgical clip as claimed in claim 1 wherein the first arcuate shaped portion is contiguous with the second arcuate shaped portion and wherein said first and second arcuate shaped portions have the same width therealong.
- 24. (Previously Presented) A surgical clip as claimed in claim 23 wherein the straight section is contiguous with the first arcuate shaped portion and has the same width therealong.

01/25/2010 11:01 IFAX @007/013

Serial No. 10/031,218

Art Unit: 3773

Examiner: Darwin P. Erezo

25. (Previously Presented) A surgical clip as claimed in claim 24 wherein the straight section

extends to the hinge.

26. (Previously Presented) A surgical clip as claimed in claim 1 wherein the straight section

has proximal and distal ends and the straight section has the same width between the proximal

and distal ends thereof.

27. (Previously Presented) A surgical clip as claimed in claim 26 wherein the straight section

has inner and outer surfaces that are both substantially flat,

28-30 Cancel

31. (New) A surgical clip as claimed in claim 1 wherein the cumulative length of the first

and second arcuate shaped portions is greater than the length of the straight section.

32. (New) A surgical clip as claimed in claim 1 wherein the length of the first arcuate shaped

portion is greater than the length of the second arcuate shaped portion.

33. (New) A surgical clip as claimed in claim 18 wherein the length of the first arcuate

shaped portion is greater than the length of the second arcuate shaped portion.

7